Microgravity Science Division List of Acronyms

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1234567890

-A-

A Ampere

A&R Automation and Robotics

AADSF Advanced Automated Directional Solidification Furnace

AC&S Altitude Control and Stabilization

ACA Attitude Control Assembly

ACC Aft Cargo Carrier

ACCG American Conferences of Crystal Growers

ACES Acoustic Containerless Experiment System

ACPF Acoustic Containerless Processing Facility

ACS Attitude Control System

ADA Advanced Development Activity

ADA DOD High-Level Programming Language

ADH Advanced Development Hardware

ADP Advanced Development Program

ADP Acceptance Data Package

ADSF Automated Directional Solidification Furnace

AEO Assurance Engineering Office

AFD Aft Flight Deck

AFEQ Adiabatic Fast Equilibration

AFT Advanced Furnace Technology

AIAA American Institute of Aeronautics and Astronautics

ALF Acoustic Levitator Furnace

ALU Advanced Levitation Unit

AMA Atomspheric Measurement Assembly

AME Acceleration Monitoring Experiment

AMO Assurance Management Office

AO Announcement of Opportunity

APCGF Advanced Protein Crystal Growth Facility

APM Attached Payload Module

AR Acceptance Review

ARC Ames Research Center

ARC Aggregation of Red Blood Cells (Australia)

ARF Animal Research Facility

ARIS Active Rack Isolation System

ASCG Automatic Solution Crystal Growth

ASCO Specific Change Order

ASTP Apollo-Soyuz Test Project

ATAC Advanced Technology Advisory Committee

ATCS Active Thermal Control Subsystem

ATCU Active Thermal Control Unit

ATD Advanced Technology Development

ATE Automatic Test Equipment

ATHINA Investigation of Diffusion Flame Tip Thermo-diffusive and Hydrodynamic

Instability Under Microgravity Conditions

ATP Authority to Proceed

AUE Alloy Undercooling Experiment

AVCG Automatic Vapor Crystal Growth

B/L Baseline

BASE Binary Alloy Solidification Experiment

BASG Ball Aerospace Group

BBU Bubble Behavior Unit (Japan)

*BCAT Binary Colloidal Alloy Tests

BCDCE Bi-Component Droplet Combustion Experiment

BCL Battelle Columbus Laboratories

BCOEL Boiling Heat Transfer & Control of Bubble Motion in Microgravity using Electric

Fields

BDPU Bubble Droplet Particle Unit

BF Biotechnology Facility

BIO Space Bioreactor

BIU Bus Interface Unit

BiSn Bismuth-Tin Crystal Growth

BRE Blood Rheology Equipment

BSD Baseline System Description

BTF Biotechnology Facility

BTS Biotelemetry System

C/O Checkout

C/C Carrier/Container

C Celsius

C&T Communications and Tracking

CAD Computer-Aided Design

CAE Computer-Aided Engineering

CAG Commercial Advocacy Group

CAM Computer-Aided Manufacturing

CAP Crew Activity Plan

CAP Customer Accommodation Plan

CAST Casting and Solidification Technology

CBT Computer Based Training

CCB Configuration Control Board

CCB Change Control Board

CCD Charge Coupled Device

CCDS Centers for the Commercial Development of Space

CCTV Closed Circuit Television

CDG Concept Development Group

CDMS Command and Data Management System

CDOT Colloidal Disorder-Order Transitions

CDOT-3 Colloidal Disorder-Order Transitions-3

CDR Critical Design Review

CDSF Commercially Developed Space Facility

CEI SPEC Contract End Item Specification

CELS Controlled Environment and Life Support System

CELSS Controlled Environment and Life Support System

CER Cost Estimate Relationships

CET Combined Environmental Test

CF Constant Flux

CFES Continuous Flow Electrophoresis System

CFIF Continuous Flow Isoelectric Focusing

CFLSE Critical Fluid Light Scattering Experiment (ZENO)

CFM Candle Flames in Microgravity

CFM-2 Candle Flames in Microgravity-2

CFTE Critical Fluid Thermal Equilibration

CFVME Critical Fluid Viscosity Measurement Experiment

*CGEL Colloidal Gelatin

CGF Crystal Growth Facility (Japan) (Code EN) non-MSL AADSF

CheCS Crew Health Care Systems

CHF Continuous Heating Furnace (Japan)

*CHT Capillary-Driven Heat Transfer

CI Customer Integration

CIA Critical Items List

CIBS Coalescence Inhabition of Bubbly Suspensions Experiment

CIO Customer Integration Office

CIEF Continuous Isoelectric Focusing

CIP Customer Integration Panel

*CIR Combustion Integrated Rack

CITE Cargo Integration Test Equipment

Cm Centimenter

CM-1 Combustion Module-1

CM-2 Combustion Module-2

CMDSF Crystals, Monomers, Deposition and Separation Facility

CMG Control Moment Gyro

CNES Centre National d'Etudes Spatiales (French National Center for Space Studies)

CO Contracting Officer

CoDR Conceptual Design Review

CoFR Certification of Flight Readiness

COLLIDE-2 Collisions into Dust Experiment - 2

COMLAB Commerce Lab

COMM Commercial Missions

COS Co-Orbiting Satellite

COTR Contracting Officer Technical Representative

COTS Commercial Off The Shelf

CPF Critical Point Facility

CPL Capillary Pumped Loop

CPL-2L CVB/PHaSE-2/PCS-2/LFCA

CPSE Common Payload Support Equipment

CRR Cargo Readiness Review

CRT Character Recognition Terminal

CRU Catalytic Research Unit

CRWT Containerless Ripple Wave Turbulence

CSC Consulting Support Center

CSCI Computer Software Configuration Item

CSD Contract Start Date

CSD Comparative Soot Diagnostics

*CSLM Coarsening in Solid-Liquid Mixtures

CSLM-2 Coarsening in Solid-Liquid Mixtures-2

CSS-IPS Common Support System-Integrated Payload System

CSU Computer Software Unit

CT Constant Temperature

CTL Communications Test Lab

CVB Constrained Vapor Bubble Experiment

*CVBT Constrained Vapor Bubble Heat Exchanger

CVTE Chemical Vapor Transport Experiment

DACS Digital Acquisition and Control System

DARTFire Diffusive and Radiative Transport in Fires Experiment

DAS Data Acquisition System

DBMS Data Base Management System

Dc Direct Current

DCDU Digital Cassette Data Unit

DCE Droplet Combustion Experiment

DCE-2 Droplet Combustion Experiment-2

DCF Droplet Combustion Facility

DCM Diagnostics Control Module

DCR Design Certification Review

DCR Drawing Change Request

DDCE Dynamics of Droplet Combustion and Extinction Experiment

DDF Directors Discretionary Fund

DDM Data Display Module

DDM Drop Dynamics Module

DDS Data Display System

DDT&E Design, Develop, Test, and Evaluation

DDU Data Display Unit

DECLIC Dispositif pour i'etude de la croissance et des liquides critiques

DEL Delivery

DEP Dedicated Experiment Processor

DESI Diffusion-Flames Extinction and Soot Inception

DFRC Hugh L. Dryden Flight Research Center

DFVLR Deutsche Forshungs-und Versuchsanstait fur Luft-und Raumfahrt (German

Aerospace Research Establishment)

DIF Data Interchange Format

DMOS Diffusive Mixing of Organic Solutions

DMS Data Management System

DOC Discipline Operations Center

DOD Department of Defense

DOMSAT Domestic Satellite

DOORS Dynamic Object Oriented Requirements System

DPA Data Processing Assembly

DPIMS Diffusion Processes in Molten Semiconductors

DPM Drop Physics Module

DPRO Defense Procurement Resident Office

DR Data Requirement

DSF Directional Solidification Furnace (Grumman)

DT/DT Drop Tube/Drop Tower (Facility)

DTA Differential Thermal Analysis

DTA Development Test Article

DTD Droplet Technology Demonstration

DTF Drop Tube/Tower Facility

DTO Detailed Test Objective

DVT Developmental Vibration Test

DWG Discipline Working Group

EAC Experiment Apparatus Container

EALX External Airlock

EBF Electron Bombardment Furnace

ECAS Experiment Computer Applications Software

ECE Experiment Checkout Equipment

ECG Electroepitaxial Crystal Growth (MRA)

ECLSS Environmental Control/Life Support System

ECOS Experiment Computer Operational Software

ECP Electromagnetic Containerless Processing

ECS Energy Conversion Subsystem

ECS Environmental Control Subsystem

ED Engineering Directorate

EDAC Error Detection and Correction

EDCA Entropically Driven Colloidal Assembly

EDEP Electrodeposition (UAH)

EDM Engineering Development Model

EDO Extended Duration Orbiter

EDR Engineering Design Review

*EDSE Equixated Dendritic Solidification Experiment

EDU Experiment Development Unit

EE Electronic Enclosure

EEE Electronic, Electrical, Electromechanical

EEP Experiment Electronic Package

EEU ECS Electronics Unit

EEVT Electrophoresis Equipment Verification Test

EGM Electrostatics of Granular Materials Experiment

EGSE Electrical Ground Support Equipment

EHS Enhanced HOSC System

EICG Electronic/Infrared Crystal Growth

EIRD Experiment Interface Requirements Document

ELV Expendable Launch Vehicle

EM Engineering Model

EMC Electromagnetic Compatibility

EMDI Extended Mission Duration Items

EMI Electromagnetic Interference

EML Electromagnetic Levitator

EMS Engineering Master Schedule

EMS Experiment Mounting Structure

EMU Extravehicular Maneuvering Unit

EMU Extravehicular Mobility Unit

EOM Earth Observation Mission

EOM Engineering Operations Manual

EOS Electrophoresis Operations in Space (MDAC)

EOS Earth Observing System

EP Experiment Package

EPCU Electrical Power and Control Unit

EPDP Experiment Power Distribution Box

EPROM Erasable Programmable Read-Only Memory

EPS Electrical Power System

EPS Electrical Power Subsystem

ER# EXPRESS Rack number

ERD Experiment Requirements Document

*ERE Extensional Rheology Experiment

ESA European Space Agency

ESD Electrostatic Discharge

ESE Electrical Support Equipment

ESM Experiment Service Module

ESP Electronic Support Package

ESPS Experiment Segment/Pallet Simulator

ESRO European Space Research Organization

ESS Energy Storage Subsystem

ESS Experiment Subsystem Simulator

ESSA EPCU Shutoff Switch Assembly

ET External Tank

ETE External Test Equipment

EU Electronics Unit

EURECA European Retrievable Carrier

EVA Exravehicular Activity

EVAS Extravehicular Activity System

EVP Exhaust Vent Package

EXP Experiment

EXPRESS Expedite the Process of Experiments to the Space Station Rack

FA Flight Accommodation

FAR Final Acceptance Review

FAWG Flight Assignments Working Group

FCA Flow Control Assembly

*FCF Fluids and Combustion Facility

FCU FOMA Control Unit

FDC Federal Data Corporation

FDD Flight Data Document

FDE Fluid Dynamics Experiment

FDF Flight Data File

FDIR Fault Detection, Isolation & Recovery

FDOR Final Design and Operations Review

FDR Final Design Review

FDSS Fire Detection and Suppression System

FEA Fluids Experiment Apparatus

FEA Fluids Experiment Assembly

FEANICS Flow Enclosure Accommodating Novel Investigations in Combustion of Solids

FEM Finite Element Model

FEP Front End Processor

FES Fluids Experiment System

FES Flash Evaporator System (an Orbiter subsystem)

FF Free Flyer

FFEU Free Float Electrophoresis Unit (Japan)

FFFT Forced Flow Flamespread Test

FHA Flight Hardware Availability

*FIR Fluids Integrated Rack

FIST Flammability Diagrams of Combustible Materials in Microgravity

FIVE Front Interaction with Vortex Experiment

FMEA Failure Modes and Effects Analyses

FMEA-CIL Failure Modes and Effects Analyses/Critical Items List

FMPT First Material Processing Test (Japan)

FO Functional Objectives

FOAM Foam Optics and Mechanics Experiment

FOMA Fuel/Oxidizer Management Assembly

FOR Flight Operations Review

FOV Field of View

FPDF Fluid Physics/Dynamics Facility

FPE Fundamental Phenomena Experimentation

FRB Failure Review Board

FRE Functional Requirements Envelope

FRR Flight Readiness Review

FS Factor of Safety

FSAP Fluid Science Avionics Package

FSD Fabrication Support Division

FSDC Fiber Supported Droplet Combustion

FSDC-3 Fiber Supproted Droplet Combustion-3

FSDM Free Surface Deformation Measurement System

FSL Fluid Science Laboratory (ESA)

FSS Flight Support System

FSSS Flight Segment Support System

FSUWG Facility Science Users Working Group

FU Flight Unit

FY Fiscal Year

FZCGF Float Zone Crystal Growth Facility (Battelle)

FZES Float Zone Experiment System

g Gravity

g0 normal gravity acceleration at sea-level

GaAs Gallium Arsenide

GAC Grumman Aerospace Corporation

GAS Get-Away-Special

GAS Can Get-Away-Special Canister

GBX Glovebox (Biorack Configuration)

GC Gas Cromatograph

GC-MS Gas Chromatograph-Mass Spectrometer

GCE Ground Control Experiment

GCEL Ground Control Experiment Laboratory

GDFE Gas-Jet Diffusion Flames Experiment

GEF Gas Evaporation Experiment Facility (Japan)

GEM Generic Experiment Module

GEO Geosynchronous Earth Orbit

GERME Groupe D'Etude et Recherches, Sur Test Materieux Dans L'Espace

GEVS General Environmental Verification Specification

GFE Government Furnished Equipment

GFGAS Gradient Furnace for Get Away Special

GFM Granular Flow Module

GFP Glass Fiber Pulling

GFP Government Furnished Property

GH Growth Hormone

GHF Gradient Heating Facility

GHF Gradient Heating Furnace (Japan)

*GI Glovebox Investigations

GIDEP Government/Industry Data Exchange Program

GIFFTS Gravitational Influences on Flammability and Flamespread Test Systems

GIRD Ground Integration Requirements Document

GIS Gas Interface System

GIU Ground Integration Unit

*GMSF Growth and Morphology of Supercritical Fluids Experiment

GMT Greenwich Mean Time

GN&C Guidance, Navigation and Control

GOR Ground Operations Review

GPC General Purpose Computer

GPF-1&2 General Purpose Furnace

GPRF-G General Purpose Rocket Furnace-Gradient

GPRF-I General Purpose Rocket Furnace -Isothermal

GPS Global Position Satellite

GPS Global Positioning System

GPU Ground Power Unit

GRC Glenn Research Center

GSE Ground Support Equipment

GSFC Goddard Space Flight Center

GT Ground Test

H/W Hardware

HAB Habitability

HAL High-temperature Acoustic Levitator

HAL/S High-Order Programming Language for Spacelab Usage

HCR Hardware Concept Review

HDR High Data Rate

HDRR High Data Rate Recorder

HDW Hardware

HFR High Frame Rate

HGCS Human Granulocyte Colony Stimulating

HGS Holographic Ground System

HH-G Hitchhiker (Goddard)

HH-M Hitchhiker (MSFC)

HHVT High Resolution, High Frame Rate Video Technology

HIA Holographic Imaging Apparatus

HiBMs High Bit Depth Multi Spectral Camera Package

HM Habitation Module

HMF Health Maintenance Facility

HOSC Huntsville Operations Support Center

HPA Handling and Positioning Aid

HPCG Hand-held Protein Crystal Growth

HPF Heat Pipe Furnace

HPIR Heat Pipe Radiator

HQ NASA Headquarters

HR High Resolution

HRAP Heat Rejection Augmentation Package

HRDL High Rate Data Link

HRF Human Research Facility

HRM High Rate Multiplexer

HTFT High Temperature Furnace Technology

HTGPF High Temperature General Purpose Furnace

HTM High Temperature Materials

HW Hardware

HX Heat Exchanger

Hz Hertz (Cycles per Second)

I&O Integration and Operations

IAM Image Acquisition Module

IAO International Announcement of Opportunity

IBSE Initial Blood Storage Experiment

ICD Interface Control Document

ICD Interface Control Drawing

ICE Interface Configuration Experiment

ICR Investigation Continuation Review

IDE Initial Design Evaluation

IDGE Isothermal Dendrite Growth Experiment

IDMS Information and Data Management System

IEF Isoelectric Focusing Experiment

IF Intermediate Frequency

IFF Isoelectric Focusing Facility

IFM Interface Measurements

IG Igloo (Spacelab Pallet Missions)

IGI Industrial Guest Investigator

IH/SR Integration Hardware/Software Review

IHF Isothermal (Japan)

II Industrial Investigator

IIA Instrument Interface Agreements

IM Interface Measurements

IMF Image Furnace (Japan)

IML International Microgravity Laboratory

IMU Inertial Measurement Unit

INEPT EN Engineering Panel Telemail

InSPACE Investigating the Structur of Paramagnet Aggregates from Colloidal Emulsions

IOC Initial Operating Capability

IOC Initial Orbiting Capability

IOP Input/Output Processor

IOU Input/Output Unit

IPL Integrated Payload

IPP Image Processing Package

IPRD Integrated Payload Requirements Document

IPS Instrument Pointing System

IPSU Image Processing and Storage Unit

IR Infrared

IR&D Independent Research and Development

IRD Interface Requirements Document

IRIG Inter-range instrumentation group (time format in Spacelab)

IRR Integration Readiness Review

IRR Interface Requirements Review

IRR Initial Requirements Review

IRSM Incubator Refrigerator Storage Module

ISA Inertial Sensor Assemblies

ISC International Space Corporation

ISET Intercenter Systems Engineering Team

ISF Industrial Space Facility

ISPR International Standard Payload Rack

ISR Interim Systems Review

ISS International Space Station

ISSP Information System Strategic Plan

ISTF Integrated Services and Test Facility (Canada)

ISY International Space Year (1992)

ITA Instrumentation Technology Associates, Inc.

ITCS Internal Thermal Control System

ITIP International Technology Integration Panel

ITUS Integrated Thermal Utility System

IVA Intravehicular Activity

IWG Investigators Working Group

IWG Integration Working Group

JCA	Joint Cooperative Agreement
30,1	Joint Cooperative / Igi cernent

JEA Joint Endeavor Agreement

JEM Japanese Experiment Module

JIS Joint Integration Simulation

JPL Jet Propulsion Laboratory

JSC (Lyndon B.) Johnson Space Center

JSLWG Joint Spacelab Working Group

JURG Joint User Requirements Group

K Kelvin

KBPS Kilobytes Per Second

Kg Kilogram

KO Kick Off

KSC (John F.) Kennedy Space Center

LAB Laboratory

LAN Local Area Network

KaRC Langley Research Center

LASS Large Amplitude Space Simulator

LBFT Langmuir-Blodgett Trough Facility

LCPMC Lead Center Program Management Council

LDEF Long Duration Exposure Facility

LDF Liquid Drop Experiment Facility (Japan)

LDR Large Deployable Reflector

LDR Low Data Rate

LDV Laser Doppler Velocimeter

LDV Laser Doppler Velocimetry

LED Light Emitting Diode

LEO Low Earth Orbit

LeRC Lewis Research Center

LF-X Logistics Flight

LFCA Low Volume Fraction Colloidal Assemblies Experiment

LIF Large Isothermal Furnace (JAPAN)

LIMS Lewis Information Management System

LLL Low Light Level

LLSI Laser Light Scattering Instrument

LM Logistics Module

LME Liquid Motion Experiment

LMI Lewis Management Instruction

LMM Light Microscopy Module

LOS Loss of Signal

LOS Line of Sight

LPE Lamda Point Experiment

LPES Lamda Point Experiment System

LPS Liquid Phase Sintering

LPS Launch Processing System

LRDL Low Rate Data Link

LS Life Sciences

LSA Large Space Antenna

LSE Laboratory Support Equipment

LSLAB Life Sciences Laboratory

*LSP Laminar Soot Processes

LSRF Life Sciences Research Facility

LSSP Launch Site Support Plan

LSW Lifshitz, Slyozov and Wagner (Theory of Alloys)

LTE Levitator Technology Experiment (ACES II)

LTGHE Low-Temperature Gradient Heating Furnace

LTRF Low Temperature Research Facility

LVLH Local Vertical, Local Horizontal

LVLH Local Vertical, Local Horizontal Meter

m Meter

M&P Materials and Processes

MA Multiple Access

MA Mission Assignment

MAC Microgravity Advisory Committee

*MAMS Microgravity Acceleration Measurement System

MAP Mission Activity Plan

MAS Metals/Alloy Solidification

MASA Metals and Alloys Solidification Apparatus

MASU Metal Alloy Seperation Unit

MAUS Materialwissen Autonomoe Experi Uter Schwerelosigkeit

MBE Molecular Beam Epitaxy

MBPS Megabytes Per Second

MCC Mission Control Center

MCD Modular Capabilities Document

MCDS Management Communications and Data System

MCF Modular Combustion Facility

MCP Monitoring Control Panel

MCPF Modular Containerless Processing Facility

MCU Marangoni Convection Unit

MD Middeck

MDAC MacDonnell Douglas Aerospace Corporation

MDB Master Data Base

MDCA Multi-user Droplet Combustion Apparatus

MDE Mission Dependent Equipment

MDM Multiplexer/Demultiplexer

MDTSCO MacDonnel Douglas Technical Services Company

MEA Materials Experiment Assembly

MEL Microgravity Emissions Laboratory

MEL Modular Electromagnetic Levitator

MEM Middeck Electronics Module

MEPF Multiple Experiment Processing Furnace

MEPHISTO Material pour l'Etude Phenomenes Interes la Solidif surTerre Orbite

MFC Mass Flow Controller

MFCD Microgravity Fluids and Combustion Diagnostics

MFCT Modular Furnace Component Technology

MGFA Multiuser Gaseous Fuels Apparatus

MGI MICROSCALE Glovebox Investigation

MGM Mechanics of Granular Materials

MGM-III Mechanics of Granular Materials Experiment - III

MGSE Mechanical Ground Support Equipment

MHF Mirror Furnace (ESA)

MHRR MSAD Hardware Reflight Review

MIA Mission Implementation Agreement

MIC Management Information Center

MICG Mercury Iodide Crystal Growth

MICOM Mission Command

MIDAS Miscibile Interface Dynamics and Simulation Experiment

*MIM Micro Isolation Mount

MINC Module Interconnect

MIP Mission Integration Panel

MIP Mission Integration Planning

MIS Management Information System

MIS Magnetic Isolation System

MIT Massachusetts Institute of Technology

MIT Mission Integration Team

MIUL Material Identification and Usage List

MLI Multilayer Insulation

MLR Monodisperse Latex Reactor

MLRS Monodisperse Latex Reactor System

MLSA Modified Launch Services Agreement

MMAP Microgravity Measurement and Analysis Project

MMFF Modular Multizone Furnace Facility (now SSFF)

MMO Mission Management Office Meeting

MMP Magnetospheric Multiprobe

MMPF Microgravity and Materials Processing Facility

MMSL Microgravity Materials Science Laboratory

MMU Manned Maneuvering Unit

MMU Mass Memory Unit

MOBI Microgravity Observations of Bubble Interaction Experiment

MOD Module

MOMM Microscopy and Optical Manipulation Module

MORD Mission Operations Requirements Document

MOU Memorandum of Understanding

MP Major Payload

MPAK Middeck Payload Accommodation Kit

MPE Mission Peculiar Equipment

MPESS Mission Peculiar Experiment Support Structure

MPLM Multi-Purpose Logistics Module

MPS Materials Processing in Space

MRA Microgravity Research Associates

MRA Mechanical Readiness Assessment

MRB Material Review Board

MRD Mission Requirements Document

MRDB Mission Requirements Data Base

MRDL Medium Rate Data Link

MRDOC Microgravity Research, Development and Operations Contract

MRI Midwest Research Institute

MRMS Mobile Remote Manipulator System

MROFIE Mission Requirements on Facilities/Instruments/Experiments for STS Attached

Payloads, MSFC JA-447

MRPO Microgravity Research Program Office

MRR Mission Readiness Review

MRT Microgravity Research Team

MRWG Mission Requirements Working Group

MS Margin of Safety

MS Materials Science

MSA Microgravity Science and Applications

MSAD Microgravity Science and Applications Division (Code EN

MSC Microgravity Smoldering Combustion Experiment

MSCRE Microgravity Smoldering Combustion Experiment-Reflight

MSD Microgravity Science Division

MSDR Materials Science Double Rack

MSEIS Microgravity Systems Engineering Information System

MSFC (George C.) Marshall Space Flight Center

MSG Microgravity Science Glovebox

MSL Materials Science Laboratory

MSL Microgravity Science Laboratory

MST Measurement Status Table

MTE Mass Transport Experiment

MTL Manufacturing and Technology Laboratory

MTL Moderate Temperature Loop

MTPE Mission to Planet Earth (NASA)-Code Y

MTTR Mean Time to Repair

MTU Master Timing Unit

MUA Material Utilization Agreement

MVP Master Verification Plan

MWEU Moving Wall Electrophoresis Unit

NAC NASA Advisory Council

NAR Non-Advocate Review

NASA National Aeronautics and Space Administration

NASACOM NASA Communications System

NASDA National Space Development Agency of Japan

NBS National Bureau of Standards

NBX Nucleate Boiling under Microgravity Experiment

NCC NASA Communications Control

NCTM Non-Contact Temperature Measurements

NFF Normal Freezing Furnace

NHB NASA Handbook

NIA Network Interface Adapter

NIH National Institutes of Health

NIST National Institute of Science & Technology

NIU Network Interface Unit

NLOMTF Non-Linear Optical Monomer Thin Films (UAH)

NLOOC Non-Linear Optical Organic Crystals (UAH)

nm Nanometers

nm Nautical Miles

NMI NASA Management Instruction

NMMSA NASA Microgravity Materials Science Assessment Task Force

NOA New Obligation Authority

NOAA National Oceanic and Atmospheric Administration

NRA NASA Research Announcement

NRL Naval Research Laboratory

NSF National Science Foundation

NSPAR Nonstandard Parts Approval Request

NSSDC National Space Science Data Center

NSTL National Space Technology Laboratories

O&C Operations and Checkout

OACT Office of Advanced Concepts and Technology

OAFD Orbiter Aft Flight Deck

OARE Orbital Acceleration Research Experiment

OB Optics Bench

OCF Organic Crystal Growth Facility (ESA)

OCP Office of Commercial Programs (NASA) - Code I

OCZ Operational Control Zone

ODIN Office Desktop Initiative for NASA

OFPU Optical Fiber Production Unit

OFT Orbital Flight Test

OIA Orbiter Interface Adaptor

OLIC On-Orbit Leak Integrity Check

OLMSA Office of Life and Microgravity Sciences and Applications (NASA)-Code U

OM Optics Module

OMRS Operations and Maintenance Requirements Specifications

OMS Orbital Maneuvering System

OMS&A Office of Mission Safety and Assurance

OMU Orbital Maneuvering Unit

OMV Orbital Maneuvering Vehicle

OPCGF Organic and Polymer Crystal Growth Facility

OPF Orbiter Processing Facility

OPI Optics Plate Interface

OPPE Organic and Polymer Processing Experiment (3M)

ORAM Orbital Repair and Maintenance

ORR Operations Readiness Review

ORSEP Organic Separation

ORU Orbital Replacement Unit

OSF Office of Space Flight (NASA) - Code M

OSO Office of Space Operations (NASA) -Code T

OSS Office of Space Science (NASA) - Code S

OSS Office of Space Station (NASA) - Code S

OSTDS Office of Space Tracking and Data Systems (NASA) - Code T

OSV Orbital Servicing Vehicle (Japan)

OSV Orbiting Servicing Vehicle (Japan)

OTA Office of Technology Assessment

OTFE Oscillatory Thermocapillary Flow Experiment

OTV Orbital Transfer Vehicle

PA Power Amplifier

PA Product Assurance

PACE Physics and Chemistry Experiment Program

PACS Pointing And Control System

PAD Program Approval Document

PaDR Payload Design Review

PAH Payload Accommodations Handbook

PAI Product Assurance Instruction

PAM Payload Accommodation Manager

PAM Payload Assist Module

PAM Project Assurance Manager

PAM Project Assurance Manual

PAP Product Assurance Plan

PASLB Passive Acoustics Stabilization of Liquid Bridges

PBE Pool Boiling Experiment

PBM-1 Pool Boiling Module-1

PC Personal Computer

PCA Payload Clamp Assembly

PCB Power Control Box

PCCE Particle Cloud Combustion Experiment

PCDA Power Control and Distribution Assembly

PCG Protein Crystal Growth

PCGS Protein Crystal Growth System

PCM Pulse Code Modulation

PCM Pulse Code Modulator

PCR Payload Certification Review

PCTC Payload Crew Training Complex

PCS Portable Computer System

*PCS Physics of Colloids in Space Experiment

PCS+ Physics of Colloids in Space Experiment Plus

PCS-2 Physics of Colloids in Space Experiment-2

PCU Power Control Unit

PCU Payload Checkout Unit

PCU Power Conversion Unit

PDA Payload Accommodations

PDC Payload Developement Center

PDI Particle Displacement Interfermetry

PDP Plasma Diagnostics Package

PDR Preliminary Design Review

PDRD Program Definition and Requirements Document

PDSS Payload Development Support System

PDT Product Development Team

PE Principle Engineer

PED Payload Element Developer

PEPWG Pressurized Element Working Group

PF Platform

PFA Post-Flight Annex

PFDAR Post-Flight Data Analysis Review

PFE Portable Fire Extinguisher

PFM Protoflight Model

PFP Program and Financial Plan

PGS Power Generation Subsystem

PH Hydrogen lons in Gram Atoms per Liter

*PhaSE Physics of Hard Spheres Experiment

PHaSE-2 Physics of Hard Spheres Experiment-2

PI Payload Interrogator

PI Preliminary Investigation

PI Principal Investigator

PIA Payload Interface Agreement

PIC Project Initiation Conference

PID Prime Item Development (Spec)

PID Proportional, Integral, and Differential Gain

PID Program Introduction Document

PIMS Principal Investigator Microgravity Services

PIP Payload Integration Plan

PIRN Preliminary Interface revision Notice

PIV Particle Imaging Velocimeter

PKE Plasma Krystal Experiment

PL Payload

PM Program Manager

PM Project Manager

PMAD Power Management and Distribution

PMC Permanent Manned Capability

PMC Program Management Council

PMIC Payload Missions Integration Contractor

PMMS Process Material Management System

PMR Program Management Review

PMT photomultiplier tube

PMZF Programmable Multi-Zone Furnace

POCC Payload Operations Control Center

POD Payload Operations Director

POIC Payload Operation and Integration Center

POO Pallet of Opportunity

POOC Payload of Opportunity Carrier

POP Program Operating Plan

POP Perpendicular to Orbit Plane

POWG Payload Operations Working Group

PP/L Partial Payload

PP Phase Partitioning

PP Planning Package

PP&C Payload Planning and Control

PPE Phase Partitioning Experiment

PPMR Payload Program Manager's Review

PPO Planning Purposes Only

PRACA Problem Reporting and Corrective Action

PRCB Program Requirements Change Board

PRCU Payload Rack Checkout Unit

PRE Performance Requirements Envelope

PROM Programmable Read-Only Memory

PRR Program Requirements Review

PRR Preliminary Requirements Review

PS Phase Separation

PS Project Scientist

PS Payload Specialist

PSC Performing Support Center

PSCN Program Support Communications Network

PSH Payload Support Hardware

psia Pounds Per Square Inch Absolute

PSR Pre-Ship Review

PSRD Payload Simulator Requirements Document

PSTR Pre-Storage Review

PTCU Payload Training Center Unit

PTT Part Task Trainer

PUFF Combustion Characteristics of Fully-Modulated, Turbulent Diffusion Flames

PV Photovoltaic

PVP Payload Verification Plan

PVT Physical Vapor Transport

QA	Quality Assurance

QD Quick Disconnect

QE Quality Engineering

QFD Quality Function Deployment

QPQ Quid-Pro-Quo

R&D Research and Development

R&M Reliability and Maintainability

R&PM Research and Program Management

RAHF Research Animal Holding Facility

RAU Remote Acquisition Unit

RBFS Risk-Based Fire Safety

RCB Requirements Change Board

RCG Reference Concept Group

RCS Reaction Control System

RDR Requirements Definition Review

REEFS Radiative Enhancement Effects on Flame Spread

REU Remote Electronic Unit

RF Radio Frequency

RFCA Rack Flow Control Assembly

RFI Radio Frequency Interference

RFP Request For Proposal

RFQ Request For Quotation

RHA Rack Handling Adaptor

RI Rockwell International

RID Review Item Discrepancy

RIEF Recirculating Isoelectric Focusing

RIP Rack Interface Panel

RITSI Radiative Ignition and Transition to Spread Investigation

RKT Rocket

RMMR eactionless Microgravity Mechanisms and Robotics

RMS Remote Manipulator System

RMSA Rack Maintenance Switch Assembly

ROC Regional Operations Center

RP Rocket Propellant

RP Reference Publication

RPC Remote Power Controller

RPCM Remote Power Controller Module

RPDP Recoverable Plasma Diagnostics Package

RPI Rensselaer Polytechnic Institute

RR Requirements Review

RTOP Research and Technology Operations Plans

RTS Remote Triaxial Sensors

RUP Rack Utility Panel

RUR Requirements Update Review

RUR Reference Update Review

RVP Requirements Verification Plan

S/W Software

S/L Spacelab

S&T Science and Technology (Center)

S&TWG Science and Technology Working Group

SAA Science And Applications

SAAC Space Applications Advisory Committee

SAAG Science and Applications Advocacy Group

SAAL Single-Axis Acoustic Levitator

SAAR Small and Rapid Response

SAAX Science and Applications Missions (No.)

SAB Space Applications Board

SAGE Standard Assurance Guidelines for Experiments

SAIL Shuttle Avionics Integration Laboratory

SAL Spread Across Liquids

SALSA Solids Aflame in Low Stretch Air

SAMPIE Solar Array Module Plasma Interaction Experiment

SAMS Space Acceleration Measurement System

SAMS-FF Space Acceleration Measurement System for Free Flyers

SAMS-II Space Acceleration Measurement System for International Space Station

SAO Safety Assurance Office

SAR Shared Accomodations Rack

SATS Station Accommodation Test Sets

SBIR Small Business Innovative Research

SCD Source Control Document

SCEF Stress Corrosion Evaluation Form

SCES Static Column Electrophoretic Separator

SCG Solution Crystal Growth

SCIF Static Column Isoelectric Focusing

SCO Schedule Coordinating Office

SCOS Subsystem Computer Operating System

SCR Science Concept Review

SCU System Control Unit

SCU Signal Control Unit

SDA Solute Diffusion Apparatus

SDL Serial Data Link

SDP Safety Data Package

SDR System Design Review

SDT Science Definition Team

SE Sensor Enclosure

SEA Statistical Energy Analysis

SE&I System Engineering and Integration

SEB Source Evaluation Board

SED Space Experiments Division

SEDC Sooting and Radiation Effects in Droplet Combustion Experiment

SEDCCS SED Configuration Control System

SEE Single Event Effect

SEF Space Experiment Facility

SEID Spacelab Experiment Interface Device

SEL Space Experiments Laboratory

SEM Scanning Electron Microscope

SEMS Shuttle Environment Monitoring System

SEP Support Electronics Package

SESAC Space and Earth Science Advisory Committee

SESCO Severe Environment Systems Company

S-FLAME Structure and Response of Spherical Diffusion Flames

SHAP Sample Handling and Analysis Plan

SHERE Shear Extensional Rheology Experiment

SI International System of Units

SIB System Integration Board

*SIBAL Solid Inflammability Boundary at Low-Speed

SiGMA Gas-Particle Interactions in a Microgravity Flow Cell Experiment

SII Space Industries, Inc.

SIM Simulation

SIMS Simulations of Spacelab Missions

SIPS Spacelab Input Processing System

SIR Systems Integration Review

SIV Stereo Imaging Velocimeter

SL Spacelab

SL-D2 Second German Spacelab

SL-J Japanese Spacelab

SL-D1 First German Spacelab

SLDPF Spacelab Data Processing Facility

SLS Spacelab Life Sciences

SLS Spacelab Simulator

SLSI Surface Light Scattering Instruments

SM Short Module

SOPS Spacelab Output Processing System

*SOFBALL Structure of Flame Balls at Low Lewis-Number

SOTA State of The Art

SOW Statement Of Work

SPA Small Payload Accommodations

SPA Software Product Assurance

SPACELAB-J Japanese Spacelab Mission

SPACELAB-D German Spacelab Mission

SPAR Standard Payload Assurance Requirements

SPAR Space Processing Applications Rocket

SPAH Spacelab Payload Accommodation Handbook

SPAS German Shuttle Pallet Satellite

SPGEN Space Station Planning Group, EN

SPICE Spacelab Payload Integration and Coordination in Europe

SPIDER Smoldering Propagation Instability Diverging After External Radiation

SPL Sonic Pump Levitator

SPPO Spacelab Payload Project Office (MSFC)

SPS Samples Per Second

SPSME Spacelab Payload Standard Modular Electronics

SQUID Superconducting Quantum Interference Detector

SR Science Requirements

SR&QA Safety, Reliability, and Quality Assurance

SRB Solid Rocket Booster

SRD Software Requirements Document

SRD Shuttle Requirements Definition

SRD Science Requirements Document

SRD Shuttle Requirements Document

SRED Science Requirements Envelope Document

SRR System Requirements Review

SRR Site Readiness Review

SS Space Station

SSB Space Science Board

SSC Station Support Computer

SSC Support Service Contractor

*SSC Solid Surface Combustion Experiment

SSCB Space Station Control Board

SSCC Space Station Control Center

SSCE Solid Surface Combustion Experiment

SSDMS Space Station Data Management System

SSDS Space Station Data Systems

SSFF Space Station Furnace Facility

SSIP Shuttle Student Involvement Project

SSIS Space Station Information System

SSOTF Space Station Operations Task Force

SSP Space Station Program

SSPO Space Station Program Office

SSPE Space Station Program Element

SSSAAS Space Station Science and Applications Advisory Subcommittee

SSSC Space Station Support Center

SSST Space Station Systems Trainer

SSTF Space Station Traing Facility

SSWP Space Station Work Package

STAMPS Scientific and Technological Aspects of Materials Processing in Space

STB Science and Technology Board

STD Standard

STDCE Surface Tension Driven Convection Experiment

STEF Space Test and Evaluation Facility

STEP Space Technology Experiments Platform

STR System Test Review

STS Shuttle Transportation System

STS Space Transportation System

STT Spacelab Transfer Tunnel

SURF Space Ultra-vacuum Research Facility

S/W Software

T/L Timeline

T&C Telemetry And Command

TAG Technology Advocacy Group

TBD To Be Done

TBD To Be Decided

TBD To Be Determined

TBE Teledyne Brown Engineering

TBS Thermal Bus System

TC Thermal Control

TCR Technical and Cost Review

TCS Test Control System

TCS Thermal Control System

TCS Test Control Supervisor

TCS Thermal Control Subsystem

TDAS Tracking and Data Acquisition Satellite

TDASS Tracking and Data Acquisition Satellite System

TDL Technology Development Laboratory

TDM Technology Development Missions

TDMP Technology Development Missions Polar (Canada)

TDMX Technology Development Missions (No.)

TDP Technology Development Program

TDRS Tracking and Data Relay Satellite

TDRSS Tracking and Data Relay Satellite System

TEA Technical Exchange Agreement

TEA Torque Equilibrium Attitude

TEC Thermoelectric Cooler

*TEM Technological Evaluation of the MIM

TES Thermal Energy Storage

TEQb Thermal Equilibration-bis

TEZG Tribological Experiments in Zero Gravity

TFCG Thin Film Crystal Growth

TFDU Thin Film Deposition Unit

TFR Training Flight Rack

TFSUS Task Force on Scientific Uses of the Space Station

TGDF Transitional/Turbulent Gas Jet Diffusion Flames

TGS Triglycine Sulfate

TGS Telemetry Ground Station

TGS Telemetry Ground System

THR Test Hardware Received

TID Test Installation Division

*TIGER-3D Transition from Ignition to Flame Growth Under External Radiation in Three

Dimensions

TIM Technical Interchange Meeting

TLM Telemetry

TMIS Technical and Management Information System

TMM Thermal Mathematical Model

TPC Technical Performance Criteria

TPCE Tank Pressure Control Experiment

TPFE Two-Phase Flow Experiment

TRW Thompson Ramo Woolridge

*TSC Telescience Support Center

TSS Tethered Satellite System

TST Training Strategy Team

TT&C Telemetry, Tracking and Command

TU Technology Utilization

TU Transport Unit

TVR Test and Verification Review

U/D Update

U.S. United States

U.S.C. United States Code

UAB University of Alabama in Birmingham

UAH University of Alabama in Huntsville

UCB University of Colorado at Boulder

UCSD University of California, San Diego

UF Utilization Flight

UF-X Utility/Utilization Flight

UG NASA Headquarters Office Code for Division of Physical Sciences in Space

UIO User Integration Office

UIP Utility Interface Panel

UISWG User Information System Working Group

UMRIS User Mission Requirements and Information System

UOF User Operation Facility

UPN Unique Project Number

USAF United State Air Force

USL United States Laboratory

USML United States Microgravity Laboratory

USML-1 United States Microgravity Laboratory-1

USMP United States Microgravity Payload

USMP-2 United States Microgravity Payload-2

USRA Universities Space Research Association

UTC User Time Clock

UV Ultraviolet

V Volts

VAB Vehicle Assembly Building

VAFB VAFB Vandenberg Air Force Base

VAK Vertical Access Kit

VCAP Vehicle Charging and Potential

VCG Vapor Crystal Growth

VCGS Vapor Crystal Growth System

VDC Volts Direct Current

VDS Verification Data Set

VER Verification

VET Video Event Trigger

VFI Verification Flight Instrumentation

V-FLAME Field Effects of Gravity on Lean Premixed Turbulent Flames

VHSIC Very High Speed Integrated Circuit

VIT Vibration Isolation Technology

VITR Video/Instrumentation Tape Recorder

VMA Vacuum Maintenance Assembly

VPF Vertical Processing Facility

VTRE Vented Tank Resupply Experiment

VVS Vacuum Vent System

WBR Workbench Rack

WBRIS Workbench Rack Illuminations Subassembly

WBS Work Breakdown Structure

WCS Waste Control System

WFCA Water Flow Control Assembly

WFF Wallops Flight Facility

WIF Wire Insulation Flammability Experiment

WP Work Package

WSGT White Sands Ground Terminal

WTCS Water Thermal Control Assembly

WTR Western Test Range

WWV National "Time Standard" Call Letters

-X-

-Y-

-Z-

ZCG Zeolite Crystal Growth

ZENO Critical Fluid Scattering Experiment (CFLSE)

ZIN Technologies, Inc.

ZOE Zone of Exclusion

3AAL Three-Axis Acoustic Levitator

3M Minnesota Mining and Manufacturing Company